



Technical Data

Model		22KVA
Prime power	kva	20
	kw	16
Standby power	kva	22
	kw	17,6
Rated voltage line to line	V	230/400
Rated current	A	28,8
Maximun sound level	dB@7m	70

Engine-YangDong

Model		YD490DE
Length*Width*Height		716mm*530mm*670mm
Engine net weight	kg	230
Aspiration Type		Nature
Injection Type		Direct
Configuration		Vertical
No. of Cylinders		4
Displacement	L	2,54
Bore	mm	90
Stroke	mm	100
Compression Ratio		18
Piston Speed	m/s	5.0/6.0
Rotation Direction (from flywheel)		Anti-clockwise
Number of Flywheel Teeth		119
Flywheel House Size		SAE4
Rated speed	r/min	1500
Governor		ELECTRICAL
Start Motor	V	12

Lubrication System

Oil Capacity	L	8
Max. Permissible Oil Temperature	°C	120
Low Oil Pressure Warning	kPa	100
Low Oil Pressure Shutdown	kPa	80
Oil consumption (as % of fuel consumption)		0,75%

Cooling System

Coolant Capacity for Engine	L	5
Max. Permissible Temperature	°C	90
Max. Coolant Warning Temperature	°C	95
Max. Coolant Shutdown Temperature	°C	98
Thermostat Open Temperature	°C	72

Fuel System

110% load(Standby power)	L/h	5,30
100% load(Prime power)	L/h	4,80
75% load(Prime power)	L/h	3,60
50% load(Prime power)	L/h	2,50
25% load(Prime power)	L/h	1,45
Fuel capacity for silent genset	L	55

Air intake System & Exhaust System

Combustion Air Consumption	m ³ /min	1,71
Max. Intake Restriction	kPa	3,5
Max. Exhaust Temperature	°C	500
Max. Exhaust Back Pressure	kPa	6
Exhaust Gas Flow	m ³ /min	4,42
Exhaust Flange Diameter	mm	74

Standard Features

Engine(YangDong ENGINE)	●
Radiator 50°C max,fans are driven by belt	●
Alternator: single bearing alternator IP23	●
insulation class H/H	●
Standard auto control system	●
Main line circuit breaker MCCB	●
Base fuel tank	●
One battery, rac and cable	●
Exhaust system(Ripple flex exhaust pipe)	●
Exhaust siphon, flange, muffler	●
User manual	●
Battery charge	●
Water heater	●

Options

PMG		☐
Water oil separator		☐
Daily fuel tank		☐
Remote control panel		☐
Automatic transfer switch/ATS		☐
Switch box		☐
Standard: ●	Options: ○	

Alternator

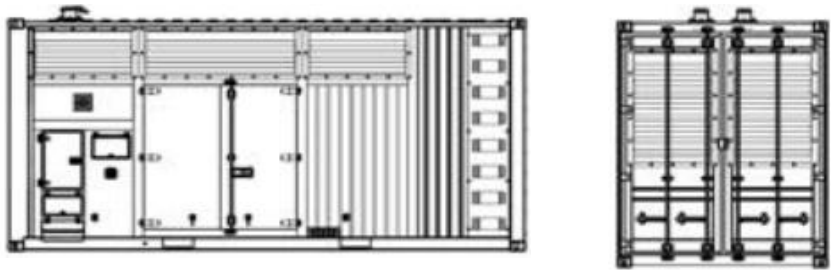
Model		CJ184ES
Phase		3
Voltage	V	230/400
Wiring Type		12 wires
Bearing		1
Power factor		0,8
Frequency	Hz	50
Prime power	KVA	20
Exciter Type		Brushless, self-excitation
Voltage regulation	%	±0.5
Protection Grade		IP 23
Insulation grade		H
AVR		SX460

Controller-Deepsea

Model	DSE 4620
7 digital display	
Built-in governor and AVR control	
Base load (kW export) functionality	
Mains (utility) de-coupling protection	
Generator power (kW, kVA) monitoring	
Overload (kW & kV Ar) protection	
Emergency stop	
Start failure	



Unit Dimensions(Basic unit)



Silent Type

L*W*H	mm	2000*900*1150
Weight	kg	850

Warranty

YangDong Engine

12 months from date of purchase or 1000 hours.

Generator

12 months from date of purchase or 1000 hours
(whichever comes first).